Amendments to the Specification:

Please replace paragraph [0029] with the following paragraph:

[0029] Figure 4 illustrates a flow chart of an embodiment of the method disclosed herein. The exact order of the steps outlined in this flowchart is not required. Additionally, some steps might be conditionally omitted based on the outcomes of previous steps. First, an image input device receives 10 a color image. The image is then converted 20 into a luminance-chrominance space. The input device can do this conversion or it can be done by another device to which the input signal is sent. High-pass filters are then applied 30 to the luminance and chrominance components. In embodiments, the high-pass filtered chrominance components are then combined 40 into a single component. The combined high-pass filtered chrominance component is then weighted. First, <u>the polarities of the combined high-pass-filtered chrominance component and the high-pass-filtered luminance component are compared 50 and</u> if the polarity of the combined high-pass-filtered chrominance component does not match that of the high-pass-filtered luminance component, the combined high-pass-filtered chrominance component is inverted 60. Whether or not the combined high-pass-filtered chrominance component is inverted, the combined high pass filtered chrominance component is then multiplied 70 by a weight factor based upon the magnitude of the high-pass-filtered luminance component and, in embodiments, the magnitude of the high-pass-filtered chrominance component. The weight factor is smaller where the high-pass filtered luminance component is large, the weight factor is larger where the high-pass filtered luminance component is small. The weighted combined high-pass filtered chrominance component is then used 80 to modify the luminance component. The modified luminance signal is then sent to the output device, which outputs 90 a grayscale image.

Please add the following sentence after paragraph [0031]:

We claim the following: